



1764

BOX PATENT

Attorney Docket No.: 23634X

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Group Art Unit: 1764

Haruhiko NAGURA
Hirosi TANABE

Serial No. 09/822,845 Filed: April 2, 2001

Title: **CATALYST CONVERTER**

(Continuation-in-part of U.S. Patent Application No. 09/100,979,
filed June 22, 1998)

TRANSMITTAL LETTER

Commissioner of Patents
Washington, D.C. 20231

Sir:

Submitted herewith for filing in the U.S. Patent and Trademark Office is the following:

- (1) Transmittal Letter;
- (2) Information Disclosure Statement;
- (3) Information Disclosure Statement Transmittal Letter;
- (4) PTO Form 1449 with 11 references;
- (5) Search Report dated 11 October 2000.

The Commissioner is hereby authorized to charge any deficiency or credit any excess to Deposit Account No. 14-0112.

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DEC 21 2001
TC 1700

Date: December 18, 2001
NATH & ASSOCIATES PLLC
1030 15th Street NW - 6th Floor
Washington, D.C. 20005
GMN/MCB/dd:IDS

Respectfully submitted,

NATH & ASSOCIATES PLLC

By:

Gary M. Nath
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Registration No. 26,965
Marvin C. Berkowitz
Registration No. 47,421
Customer No. 20529

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In re Application of:

Group Art Unit: 1764

Haruhiko NAGURA
Hiroshi TANABE

Serial No. 09/822,845 Filed: April 2, 2001

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(Continuation-in-part of U.S. Patent Application No. 09/100,979,
filed June 22, 1998)INFORMATION DISCLOSURE STATEMENT TRANSMITTAL LETTERCommissioner of Patents
Washington, D.C. 20231
S I R :

An Information Disclosure Statement is submitted herewith pursuant to 37 C.F.R. §1.97-1.98. Please note the following particulars:

[NOTE: One only of items a, b, c, and d must be checked.]

a. The enclosed statement is being filed within three months of the filing date of a national application, or within three months of the date of entry into the national stage as set forth in 37 C.F.R. §1.491 in an international application, or before the mailing date of a first Office Action on the merits, whichever event occurs last.

b. The enclosed statement is being filed after a first action on the merits but before the mailing date of a final action under 37 C.F.R. §1.113, or a notice of allowance under 37 C.F.R. §1.311.

The enclosed statement is accompanied by [check one]:
 i. a certification in part (e) below as specified in 37 C.F.R. §1.97(e), or
 ii. a check in the amount of \$180.00 required by 37 C.F.R. §1.17(p).

c. The enclosed statement is being filed after the mailing date of a final action under 37 C.F.R. §1.113, or a notice of allowance under 37 C.F.R. §1.311, but before payment of the issue fee.

PETITION: It is requested that the information being submitted be considered. [NOTE: If box (c) is checked, the following box must be checked.]

CERTIFICATION is attended to in box (e) below.

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[] d. The enclosed statement is being filed pursuant to 37 C.F.R. §1.97(i), for placement in the file.

[] e. Certification [Check one] [Certification is required only if box (b)(i) or box (c) is checked.]

[] I hereby certify that each item of information contained in the enclosed Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement,

or

[] I hereby certify that no item of information in the enclosed Information Disclosure Statement herewith was cited in a communication from a foreign patent office in a counterpart foreign application, or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

or

[] Appropriate certification is attached.

[x] f. If no check is enclosed and a fee is due in connection with this communication or if the check enclosed is insufficient, the Commissioner is authorized to charge any fee or additional fee due in connection with this communication to Deposit Account No. 14-0112.

Respectfully submitted,
NATH & ASSOCIATES PLLC

Date: December 18, 2001

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BOX PATENT

Attorney Docket No.: 23634X

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In re Application of: Group Art Unit: 1764

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Hirosi TANABE

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filed June 22, 1998)

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INFORMATION DISCLOSURE STATEMENT

Commissioner of Patents
Washington, D.C. 20231

Sir:

Pursuant to Applicant's duty of disclosure under 37 C.F.R. §§1.56 and 1.97-1.99, the documents listed on the attached Form PTO-1449 are being brought to the attention of the Examiner in charge of the above-identified application. No fee is required for this submission because it is submitted before the mailing date of a first Office Action on the merits.

Copies of the documents are attached herewith with a completed Form PTO-1449. The Examiner is respectfully requested to cite the documents listed on the attached Form PTO-1449 in the next Office Action. In so doing, the Examiner is respectfully requested to initial in the space adjacent to the listing of each document on the Form PTO-1449, and return a copy of the initialed Form PTO-1449

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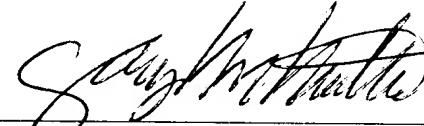
with the next communication to Applicants, to confirm that these documents have been considered by the Examiner and made of record in this application.

If the Examiner has any questions or wishes to discuss this application, kindly telephone the undersigned at the below-listed number.

The Commissioner is hereby authorized to charge any deficiency or credit any excess to Deposit Account No. 14-0112.

Respectfully submitted,

NATH & ASSOCIATES PLLC



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Marvin C. Berkowitz
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Customer No. 20529

Date: December 18, 2001

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FORM PTO-1449

INFORMATION DISCLOSURE CITATION

Atty Docket
23634Serial No.
09/822,845Applicant
NAGURA et al.Filing Date
April 2, 2001Group Art Unit
1764

U. S. PATENT DOCUMENTS

Examiner Initial		Document Number	Issue Date	Name	Class	Sub-Class	Filing Date
	AA	4,793,136	12/27/88	William A. WHITTENBREGER	60	299	08/26/87
	AB	5,323,608	06/28/94	Hideaki HONMA	60	299	02/25/93
	AC	5,110,561	05/05/92	HITACHI et al.	422	180	05/02/90
	AD	5,177,960	01/12/93	HITACHI et al.	60	299	10/18/91
	AE	5,130,100	07/14/92	Haruo SERIZAWA	422	180	02/26/90
	AF	5,045,403	09/03/91	MAUS et al.	428	593	07/27/90
	AG	4,665,051	05/12/87	NONNENMANN	502	439	12/23/85
	AH	5,328,774	07/12/94	MAUS et al.	428	593	02/05/93
	AI	5,384,100	01/24/95	FREUND	422	180	09/08/93
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub-Class	Trans-lation
	AL	38 44 350 A1	5 July 1990	Germany			No
	AM	01236948 A	21 Sept. 1989	JP			Yes
	AN						
	AO						

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR						
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Examiner

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP § 609.

Draw line through citation if not in conformance and not considered.

Include copy of this form with next communication to Applicant.

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DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	US 5 323 608 A (HONMA HIDEAKI) 28 June 1994 * column 5, line 11 - line 40; figures 1,4,5 *	1,2,4	F01N3/28 B01J35/04
Y	US 5 110 561 A (HITACHI YUZO ET AL) 5 May 1992 * column 6, line 35 - column 7, line 26; figures 9-13 *	6,7,10, 11	
X	US 5 110 561 A (HITACHI YUZO ET AL) 5 May 1992 * column 6, line 35 - column 7, line 26; figures 9-13 *	12-16, 21,22	
Y	DE 38 44 350 A (SUEDDEUTSCHE KUEHLER BEHR) 5 July 1990 * column 3, line 63 - column 5, line 35; figures 1-6 *	17,20	
Y	US 5 130 100 A (SERIZAWA HARUO) 14 July 1992 * column 5, line 53 - line 65; figures 1,2 *	17	
A	US 5 177 960 A (HITACHI YUZO ET AL) 12 January 1993 * column 3, line 44 - line 55; figure 1 *	8	TECHNICAL FIELDS SEARCHED (Int.Cl.6)
D,A	PATENT ABSTRACTS OF JAPAN vol. 013, no. 569 (C-666), 15 December 1989 & JP 01 236948 A (MAZDA MOTOR CORP), 21 September 1989 * abstract *		F01N B01J
A	US 4 793 136 A (WHITTENBERGER WILLIAM A) 27 December 1988 -----		

1 The present search report has been drawn up for all claims

Place of search

Date of completion of the search

Examiner

THE HAGUE

30 September 1998

Sideris, M

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
Y : particularly relevant if combined with another document of the same category
A : technological background
O : non-written disclosure
P : intermediate document

T : theory or principle underlying the invention
E : earlier patent document, but published on, or after the filing date
D : document cited in the application
L : document cited for other reasons
& : member of the same patent family, corresponding document

ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

EP 98 30 4963

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on. The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

30-09-1998

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 5323608	A	28-06-1994		DE 69301107 D DE 69301107 T EP 0558064 A		08-02-1996 11-07-1996 01-09-1993
US 5110561	A	05-05-1992		DE 4014215 A DE 9005031 U GB 2231283 A,B KR 9406761 Y		15-11-1990 28-03-1991 14-11-1990 28-09-1994
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US 5130100	A	14-07-1992		NONE		
US 5177960	A	12-01-1993		JP 2160051 A JP 2745222 B DE 3940665 A DE 8914489 U KR 9405266 B		20-06-1990 28-04-1998 21-06-1990 08-03-1990 15-06-1994
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